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REMOTE-CUTOFF PENTODE

MINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:

Voltage	1.4	dc volts
Current	0.05	amp

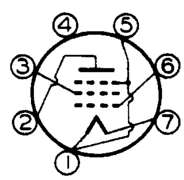
Direct Interelectrode Capacitances:[o]

Grid No.1 to plate	0.01	μμf
Grid No.1 to filament (-) & grid No.3 & internal shield, and grid No.2	3.6	μμf
Plate to filament (-) & grid No.3 & internal shield, and grid No.2	7.5	μμf

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	2" ± 3/32"
Maximum Diameter	3/4"
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW	6AR

Pin 1 - Filament (-), Grid No.3, Int. Shield
Pin 2 - Plate
Pin 3 - Grid No.2
Pin 4 - No Connection- Do Not Use



Pin 5 - Filament (-), Grid No.3, Int. Shield
Pin 6 - Grid No.1
Pin 7 - Filament (+)

AMPLIFIER - Class A_1

Maximum Ratings, ***Design-Center Values*:**

PLATE VOLTAGE	90 max.	volts
GRID-No.2 (SCREEN) SUPPLY VOLTAGE	90 max.	volts
GRID-No.2 VOLTAGE	67.5 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Positive bias value	0 max.	volts
TOTAL CATHODE CURRENT	5.5 max.	ma

Typical Operation and Characteristics:

Plate Voltage	45	67.5	90	90	volts
Grid-No.2 Voltage	45	67.5	45	67.5	volts
Grid-No.1 Voltage	0	0	0	0	volts
Plate Resistance (Approx.)	0.35	0.25	0.8	0.5	megohm
Transconductance	700	875	750	900	μmhos
Plate Current	1.7	3.4	1.8	3.5	ma
Grid-No.2 Current	0.7	1.5	0.65	1.4	ma
Grid-No.1 Voltage for transconductance of 10 μmhos	-10	-16	-10	-16	volts

[o] With or without external shield JETEC No.316 connected to pin No.1.

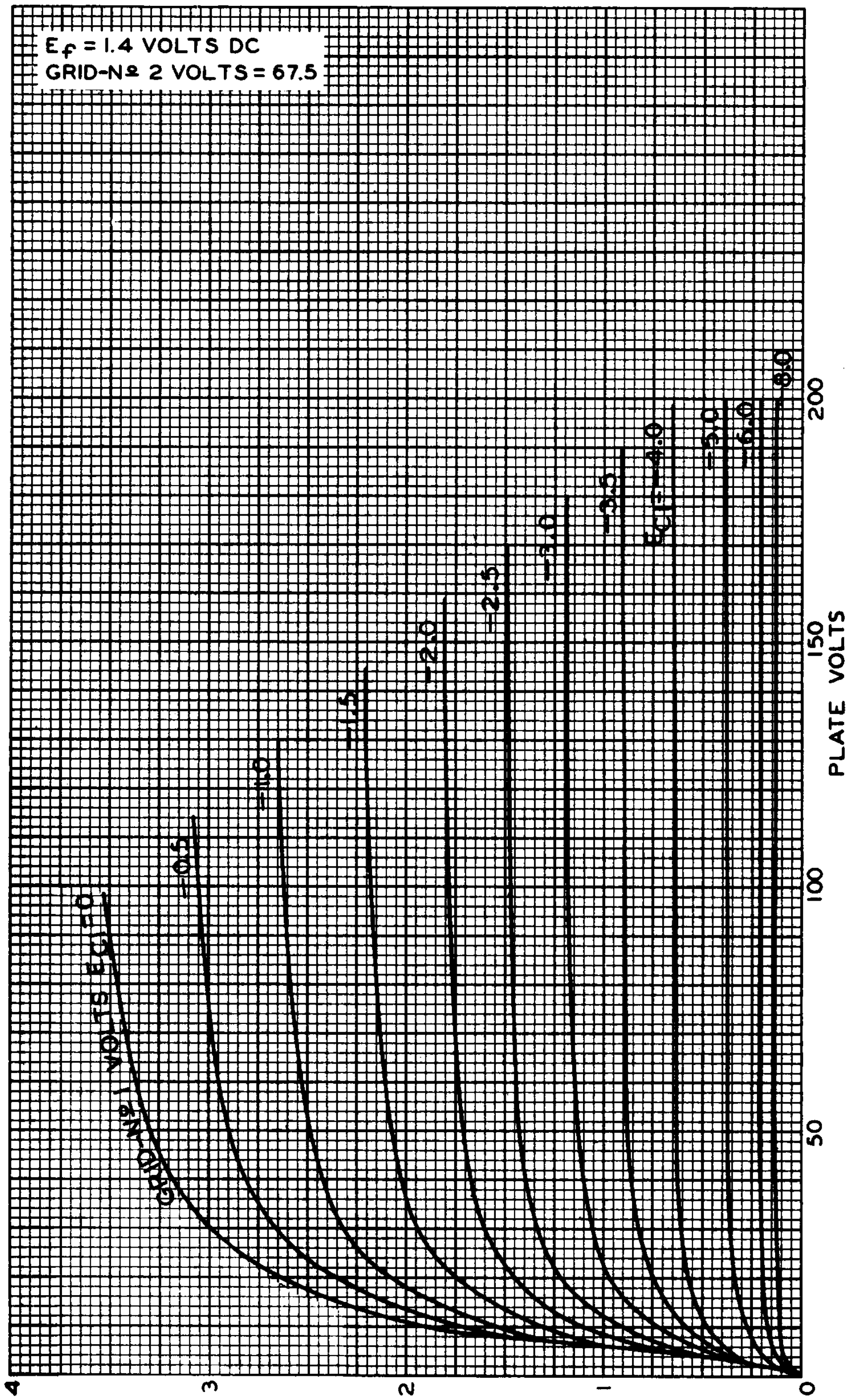
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TUBE DIVISION
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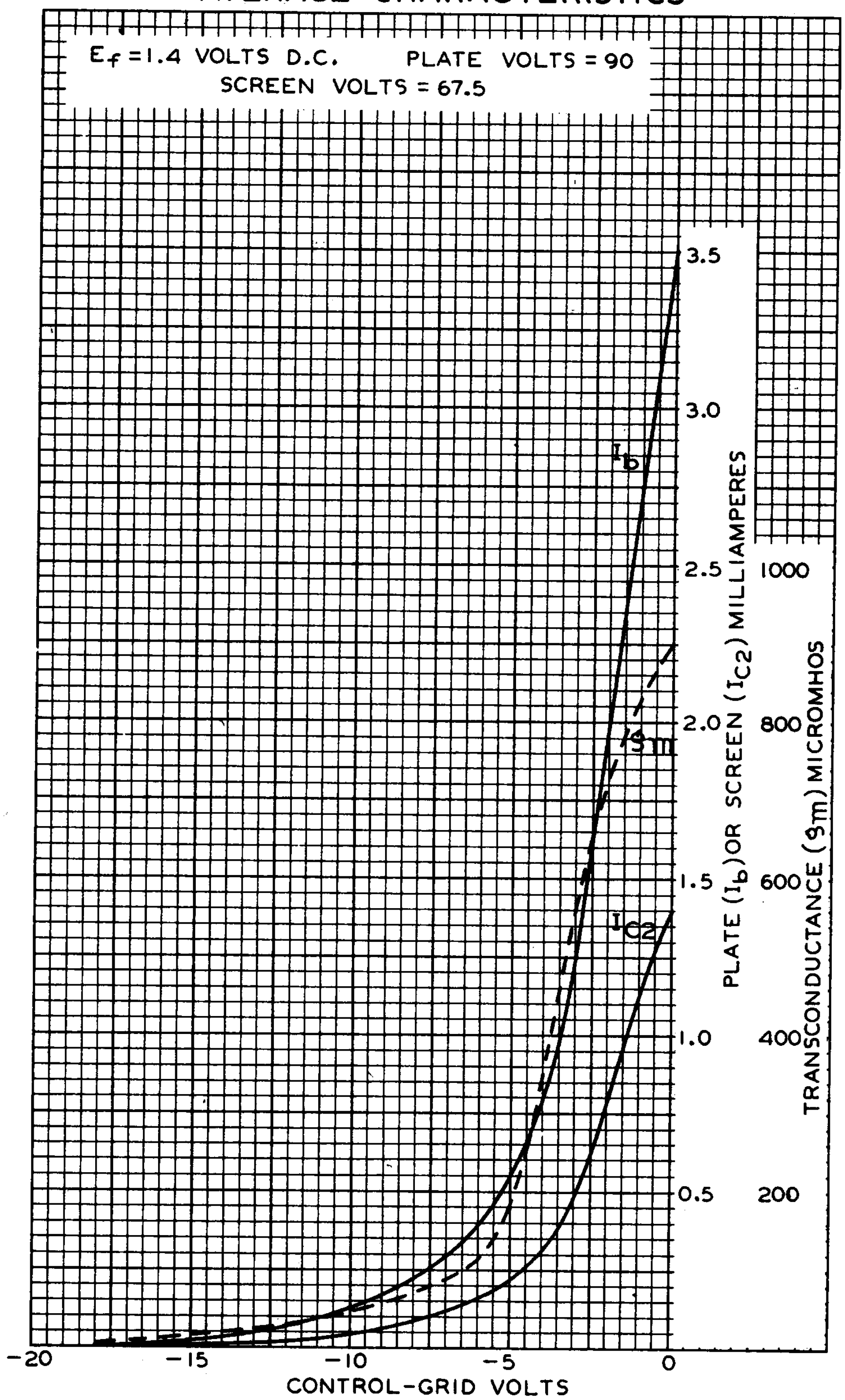
AVERAGE PLATE CHARACTERISTICS



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AVERAGE CHARACTERISTICS



JAN. 24, 1942 RCA VICTOR DIVISION 92C-6357

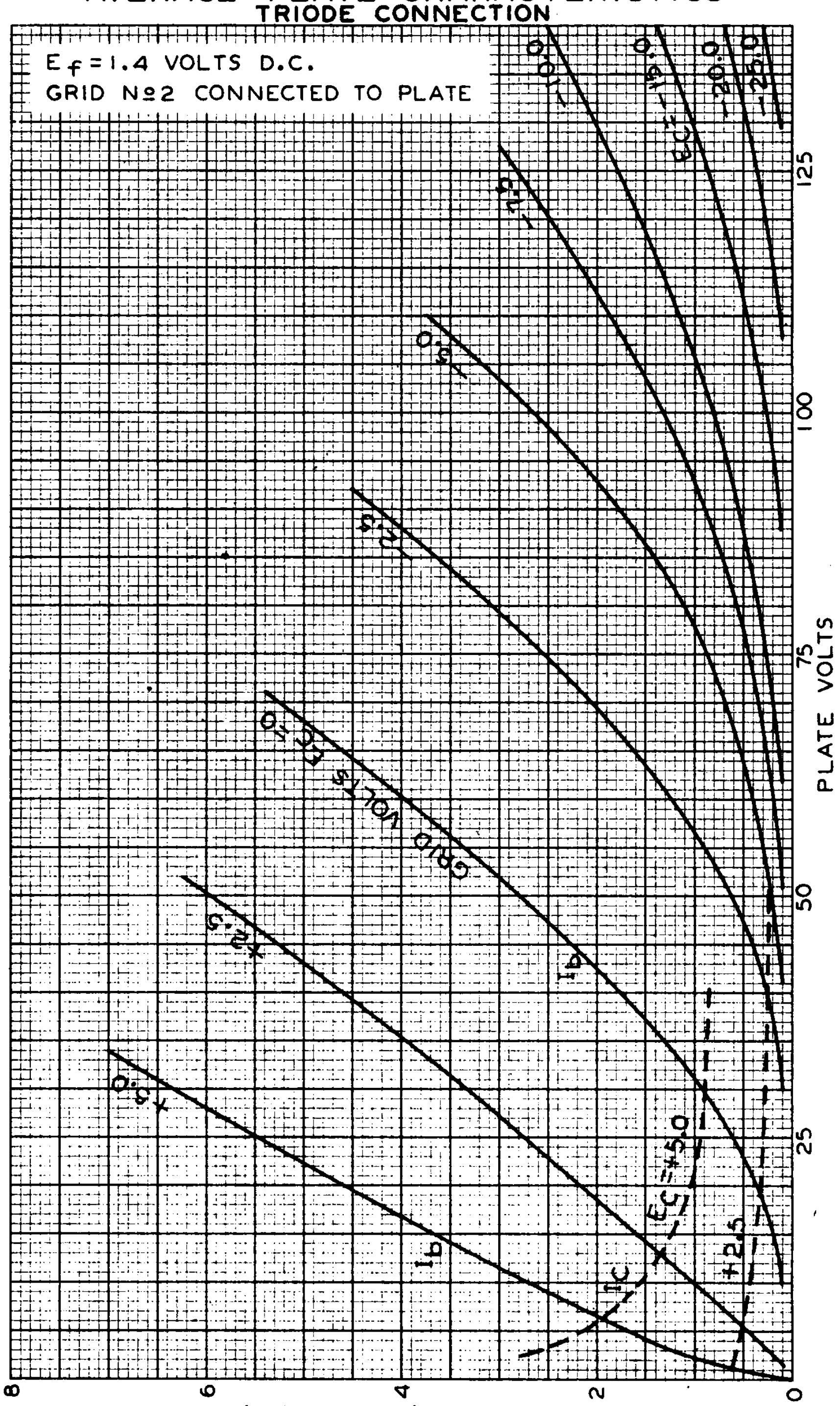
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AVERAGE PLATE CHARACTERISTICS

TRIODE CONNECTION



FEB.16,1943 — RCA VICTOR DIVISION — 92C-6352R1

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